

National Condition Reporting using HL7 Messaging Checklist

- ☐ Download and review the condition specific Message Mapping Guide(s) and the Message Specification Profile from the PHIN web site (<http://www.cdc.gov/phn/resources/guides.html>)
- ☐ Contact your PHIN Subject Matter Expert or email PHINtech@cdc.gov to schedule a conference call to start the HL7 case notification process.

Development and Testing of NND Messaging

1. Map Variables

- ☐ Partner maps their surveillance system's variables to the Message Mapping Guide variables. (CDC will provide the mapped surveillance for to assist with this process.)

Create Case Notification HL7 test messages

- ☐ CDC provides test cases (test data) for the condition.

1.1. Partner creates notification messages and sends to CDC via email

- ☐ Partner creates Case Notification HL7 test messages using the test cases and emails to CDC.
- ☐ CDC validates HL7 and provides feedback on test messages.
- ☐ CDC validates the content and provides feedback on the test messages.
- ☐ Partner passes HL7 and content validation of messages sent via email.

1.2. Partner creates and sends notification messages to CDC via Secure Message Transport (e.g. PHINMS)

- ☐ Partner configures Secure Message Transport application to send case notification messages.
- ☐ Partner creates Case Notifications using the test data and sends via Secure Message Transport application.
- ☐ CDC verifies receipt of messages via CDC's PHINMS receiver and validates HL7, the content and provides feedback on test messages.

1.3. Partner creates and sends "Correction" and "Delete" messages to CDC via Secure Message Transport application

- ☐ Partner creates and sends an update and a delete message via Secure Message Transport application.
- ☐ CDC validates HL7, content, and provides feedback on the messages.

1.4. Partner completes development and testing of NND messaging

- ☐ Development and testing of NND messages is complete.

Production Implementation of NND Messaging and PHIN Certification

1. Develop plan and timeline for production implementation of NND Messaging and PHIN Certification.

- ☐ Contact your PHIN Subject Matter Expert at CDC to schedule a conference call to discuss implementation and production timelines for NND Messaging and PHIN Certification.

2. Implementation and testing of production system(s) to CDC's staging system(s)

2.1. Implement / migrate functionality to production system and test NND messaging capability from production system to CDC's staging system(s)

- ☐ Partner implements / migrates NND messaging capability to production system

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- ☐ Partner creates and sends test messages from production system to CDC's staging system(s) via Secure Message Transport
- ☐ CDC verifies message receipt, the HL7 structure and content of messages.
- ☐ Partner completes testing of their production systems to CDC's staging system(s)

3. PHIN Certification

3.1. Partner Assesses Readiness for PHIN Certification

- ☐ Download and review the specific PHIN Certification Evaluation document. Available from the PHIN Certification website (<http://www.cdc.gov/phn/resources/certification/index.html>)
- ☐ Evaluate security controls and availability of the systems/applications that will be used to complete the evaluation steps against the PHIN Certification Criteria related to security and availability. (Note: The *PHIN Certification Security and Availability Assessment Tool* is available to assist in this process)
- ☐ The self-evaluation of the security controls and availability indicates compliance with all of the PHIN Certification Criteria related to security and availability.
- ☐ The "production" applications/systems to compose and securely send the condition specific NND messages have been implemented and tested.

3.2. Partner request PHIN Certification Evaluation

- ☐ Partner follows the instructions on the PHIN Certification website to apply for PHIN Certification. The PHIN Certification Group will contact the partner to review the PHIN Certification evaluation process and discuss the timeline.

4. Production

- ☐ Partner reconfigures messaging to CDC production system(s)
- ☐ Partner creates and sends messages using live data to CDC's production system(s). Partner may continue to send data via parallel process for a period of time to verify the processing.
- ☐ CDC verifies message receipt, the HL7 structure and content of messages.
- ☐ Partner is in production and sending live NND messages for the condition. Partner ceases parallel process for sending data.